



# Science Week at Moorlands



November 2018



**The whole school enjoyed taking part in a special science themed week this week. Their week started with a bang with a workshop for each class from Sublime Science.**

Year 3 have had an exciting Science week, learning about Light & Shadow and also Forces & Magnets. We started our week with a fabulous workshop with Rocket Rhys from Sublime Science, who showed us the chemistry of making sherbet and slime! Next we found out about night and day and investigated shadows. The second half of the week has been finding out about forces and magnets. We have investigated friction, using toy cars on different surfaces and we have sorted different materials using magnets. We have also made our own magnetic compasses to find treasure. What a busy week!

WN have really enjoyed our Science Week. We have been lucky enough to have had two sets of visitors in our class. We had great fun making slime and investigating forces with Sublime Science on Monday morning and worked extremely hard to plant 100 new saplings on Tuesday with The Conservation Volunteers.

Our class topic has been electricity. We are now experts

on which devices use electricity and have learnt just how important it is to respect it and how to keep ourselves safe. All the children in WN were able to design, draw and make their own electrical circuits. Our understanding of scientific vocabulary has developed and we can all use technical electrical words. It's been a busy and fun packed week.

In Year 4 we have been learning about electricity and sound. We have learnt about current and static electricity and how it travels to power appliances. We investigated, using circuits, which materials conduct and insulates electricity. We have also learnt about Nikola Tesla, a Serbian-American scientist and inventor who made important contributions to physics and engineering. He registered more than 300 patents and became famous for developing AC (Alternating Current). We have also look at sound and how sound travels through materials and how the volume and pitch changes the sound waves.





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This week year 5 have been training to be astronauts!

Every day, we have completed physical fitness crew training to build up the stamina that astronauts need and recorded it in our books. We have also been learning about diet and hydration and designed our own menu for an astronaut ensuring it contains all the vital nutrients needed.

In addition, we have improved our knowledge of the order of the planets in our solar system through creating collages with different materials and glitter!

We have also carried out several experiments, one where we tested the effects of gravity and air resistance on certain objects of different weights.

All of the knowledge we have gained from this week's learning has been used to write a letter to NASA to persuade them to let us become an astronaut with them! Well done for all your hard work year 5!

Year 6 children have really enjoyed Science Week. We have had a wonderful week learning about light and electricity.

We started to investigate light and shadows. Children then started to look at the link between light, angles and the eye, and how the eye interprets objects. Children created wonderful light and shadow performances, with their own story and characters.

We had a visit from a scientist and learned how to create slime and make tangy tasting sherbet.

Children learnt about the purpose of periscopes. This led to children building their own periscopes, with some children experimenting around school with their finished creations. Children have been impressive in terms of writing up their investigations and showing excellent skills when writing instructions of how to make a periscope.

In addition, children have written detailed biographies about scientists. Moving onto electricity, children took ownership of their learning and began creating electrical circuits to find out the effects of more devices (in a circuit). Furthermore, children have enjoyed making their own buzzer game using the knowledge and skills learnt from this week.

